

SEQUENCE LISTING

<110> CERRETTI, Douglas P.

<120> SVPH1-26 DNA AND POLYPEPTIDES

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<151> 1997-10-30

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<213> Homo sapiens

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30

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35

40

45

Ile Ser Arg Gly Arg Gly Ala Lys Ala Pro Gly Trp Leu Ser Tyr Ser

50

55

60

Leu Arg Phe Gly Gly Gln Arg Tyr Ile Val His Met Arg Val Asn Lys

65

70

75

80

Leu Leu Phe Ala Ala His Leu Pro Val Phe Thr Tyr Thr Glu Gln His

85

90

95

Ala Leu Leu Gln Asp Gln Pro Phe Ile Gln Asp Asp Cys Tyr Tyr His

100

105

110

Gly Tyr Val Glu Gly Val Pro Glu Ser Leu Val Ala Leu Ser Thr Cys

115

120

125

Ser Gly Gly Phe Leu Gly Met Leu Gln Ile Asn Asp Leu Val Tyr Glu

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140

Ile Lys Pro Ile Ser Val Ser Ala Thr Phe Glu His Leu Val Tyr Lys

145

150

155

160

Ile Asp Ser Asp Asp Thr Gln Phe Pro Pro Met Arg Cys Gly Leu Thr

165

170

175

Glu Glu Lys Ile Ala His Gln Met Glu Leu Gln Leu Ser Tyr Asn Phe

180

185

190

Thr Leu Lys Gln Ser Ser Phe Val Gly Trp Trp Thr His Gln Arg Phe

195

200

205

Val Glu Leu Val Val Val Asp Asn Ile Arg Tyr Leu Phe Ser Gln

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215

220

Ser Asn Ala Thr Thr Val Gln His Glu Val Phe Asn Val Val Asn Ile

225

230

235

240

Val Asp Ser Phe Tyr His Pro Leu Glu Val Asp Val Ile Leu Thr Gly

245

250

255

Ile Asp Ile Trp Thr Ala Ser Asn Pro Leu Pro Thr Ser Gly Asp Leu

260

265

270

Asp Asn Val Leu Glu Asp Phe Ser Ile Trp Lys Asn Tyr Asn Leu Asn

275

280

285

Asn Arg Leu Gln His Asp Val Ala His Leu Phe Ile Lys Asp Thr Gln

290

295

300

Gly Met Lys Leu Gly Val Ala Tyr Val Lys Gly Ile Cys Gln Asn Pro

305

310

315

320

Phe Asn Thr Gly Val Asp Val Phe Glu Asp Asn Arg Leu Val Val Phe

325

330

335

Ala Ile Thr Leu Gly His Glu Leu Gly His Asn Leu Gly Met Gln His

340

345

350

Asp Thr Gln Trp Cys Val Cys Glu Leu Gln Trp Cys Ile Met His Ala

355

360

365

Tyr Arg Lys Val Thr Thr Lys Phe Ser Asn Cys Ser Tyr Ala Gln Tyr

370

375

380

Trp Asp Ser Thr Ile Ser Ser Gly Leu Cys Ile Gln Pro Pro Pro Tyr

385

390

395

400

Pro Gly Asn Ile Phe Arg Leu Lys Tyr Cys Gly Asn Leu Val Val Glu

405

410

415

Glu Gly Glu Glu Cys Asp Cys Gly Thr Ile Arg Gln Cys Ala Lys Asp

420

425

430

Pro Cys Cys Leu Leu Asn Cys Thr Leu His Pro Gly Ala Ala Cys Ala

435

440

445

Phe Gly Ile Cys Cys Lys Asp Cys Lys Phe Leu Pro Ser Gly Thr Leu

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455

460

Cys Arg Gln Gln Val Gly Glu Cys Asp Leu Pro Glu Trp Cys Asn Gly

465

470

475

480

Thr Ser His Gln Cys Pro Asp Asp Val Tyr Val Gln Asp Gly Ile Ser

485

490

495

Cys Asn Val Asn Ala Phe Cys Tyr Glu Lys Thr Cys Asn Asn His Asp

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Ile Gln Cys Lys Glu Ile Phe Gly Gln Asp Ala Arg Ser Ala Ser Gln

515

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525

Ser Cys Tyr Gln Glu Ile Asn Thr Gln Gly Asn Arg Phe Gly His Cys

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535

540

Gly Ile Val Gly Thr Thr Tyr Val Lys Cys Trp Thr Pro Asp Ile Met

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Cys Gly Arg Val Gln Cys Glu Asn Val Gly Val Ile Pro Asn Leu Ile

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Glu His Ser Thr Val Gln Gln Phe His Leu Asn Asp Thr Thr Cys Trp

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Gly Thr Asp Tyr His Leu Gly Met Ala Ile Pro Asp Ile Gly Glu Val

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Lys Asp Gly Thr Val Cys Gly Pro Glu Lys Ile Cys Ile Arg Lys Lys

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Cys Ala Ser Met Val His Leu Ser Gln Ala Cys Gln Pro Lys Thr Cys

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Asn Met Arg Gly Ile Cys Asn Asn Lys Gln His Cys His Cys Asn His

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Glu Trp Ala Pro Pro Tyr Cys Lys Asp Lys Gly Tyr Gly Gly Ser Ala

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Asp Ser Gly Pro Pro Pro Lys Asn Asn Met Glu Gly Leu Asn Val Met

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680

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Gly Lys Leu Arg Tyr Leu Ser Leu Leu Cys Leu Leu Pro Leu Val Ala

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Phe Leu Leu Phe Cys Leu His Val Leu Phe Lys Lys Arg Thr Lys Ser

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Lys Glu Asp Glu Glu Gly

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25

30

17

Glu Cys Asp Cys Gly Thr Ile Arg Gln Cys Ala Lys Asp Pro Cys Cys

35

40

45

Leu Leu Asn Cys Thr Leu His Pro Gly Ala Ala Cys Ala Phe Gly Ile

50

55

60

Cys Cys Lys Asp Cys Lys Phe Leu Pro Ser Gly Thr Leu Cys Arg Gln

65

70

75

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Gln Val Gly Glu Cys Asp Leu Pro Glu Trp Cys Asn Gly Thr Ser His

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Gln Cys Pro Asp Asp Val Tyr Val Gln Asp Gly Ile Ser Cys Asn Val

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Asn Ala Phe Cys Tyr Glu Lys Thr Cys Asn Asn His Asp Ile Gln Cys

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Lys Glu Ile Phe Gly Gln Asp Ala Arg Ser Ala Ser Gln Ser Cys Tyr

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135

140

Gln Glu Ile Asn Thr Gln Gly Asn Arg Phe Gly His Cys Gly Ile Val

145

150

155

160

Gly Thr Thr Tyr Val Lys Cys Trp Thr Pro Asp Ile Met Cys Gly Arg

165

170

175

19

Val Gln Cys Glu Asn Val Gly Val Ile Pro Asn Leu Ile Glu His Ser

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185

190

Thr Val Gln Gln Phe His Leu Asn Asp Thr Thr Cys Trp Gly Thr Asp

195

200

205

Tyr His Leu Gly Met Ala Ile Pro Asp Ile Gly Glu Val Lys Asp Gly

210

215

220

Thr Val Cys Gly Pro Glu Ile Ile Cys Ile Arg Lys Lys Cys Ala Ser

225

230

235

240

Met Val His Leu Ser Gln Ala Cys Gln Pro Lys Thr Cys Asn Met Arg

245

250

255

20

Gly Ile Cys Asn Asn Lys Gln His Cys His Cys Asn His Glu Trp Ala

260

265

270

Pro Pro Tyr Cys Lys Asp Lys Gly Tyr Gly Gly Ser Ala Asp Ser Gly

275

280

285

Pro Pro Pro Lys Asn Asn Met Glu Gly Leu Asn Val Met Gly Lys Leu

290

295

300

Arg Gly Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro

305

310

315

320

21

Glu Ala Glu Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys

325

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Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val

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Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp

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Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr

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375

380

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp

385

390

395

400

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu

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410

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Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg

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Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys

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440

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Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp

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Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys

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Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser

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Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser

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Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser

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520

525

Leu Ser Leu Ser Pro Gly Lys

530

535